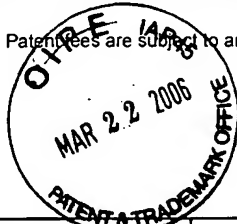


**FEE TRANSMITTAL**

Patent fees are subject to annual revision.

**Complete If Known**

Application Number	10/767,281
Filing Date	30 January 2004
First Named Inventor	TAE-SUNG KIM, <i>et al.</i>
Examiner Name	WARREN, MATTHEW E.
Group/Art Unit	2815
Attorney Docket No.	P57002

TOTAL AMOUNT OF PAYMENT

(\$)**180.00****METHOD OF PAYMENT (check one)****1. Payment Enclosed:****(CHECK #50586)**
☒ Check ☐ Credit Card ☐ Money Order  
☐ Other
☐ Charge Any Additional Fee Required Under 37 C.F.R. §1.16 and 1.17.☐ Applicant claims small entity status. See 37 CFR 1.27**2. The Commissioner is hereby authorized to charge any deficiency and credit any over payments to:**Deposit Account Number: **02-4943****FEE CALCULATION**

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
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**EXTENSION OF TIME FEES**

1251	120	2251	60	Extension for reply within first month	\$
1252	450	2252	225	Extension for reply within second month	\$
1253	1020	2253	510	Extension for reply within third month	\$
1254	1590	2254	795	Extension for reply within fourth month	\$
1255	2160	2255	1080	Extension for reply within fifth month	\$

**APPEAL**

1401	500	2401	250	Notice of Appeal	\$
1402	500	2402	250	Filing a brief in support of an appeal	\$
1403	1000	2403	500	Request for oral hearing	\$

**CLAIMS**

1201	200	2201	100	Independent claims in excess of 3	\$
1202	50	2202	25	claims in excess of 20	\$

Other Fee (specify) \_\_\_\_\_ \$

Other Fee (specify) \_\_\_\_\_ \$

Other Fee (specify) \_\_\_\_\_ \$

**FEE CALCULATION**

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
<b>MISCELLANEOUS</b>					
1801	\$790	2801	\$395	Request for continued examination (RCE)	\$
1806	\$180			Submission of an IDS	\$180.00
1814	\$130	2814	\$65	Statutory disclaimer	\$
8021	\$40			Recordation of assignment per property	\$

**TRADEMARK**

6001/7001		\$335		Application for registration, per class	\$
6002/7002		\$100		Amendment to Allege Use, per class	\$
6003/7003		\$100		Statement of Use, per class	\$
6004/7004		\$150		Request for six-month extension of time, per class	\$
6205/7205		\$100		\$8 affidavit, per class	\$
6208/7208		\$200		\$15 affidavit, per class	\$
6201/7201		\$400		Application for renewal, per class	\$
6403/7403		\$100		Ex parte appeal, per class	\$

**PETITION**

1462		\$400		Petitions to Director (Group I)	\$
1463		\$200		Petitions to Director (Group I)	\$
1464		\$130		Petitions to Director (Group II)	\$
1452	\$500	2452	\$250	Petitions to revive unavoidably abandoned application	\$
1453	\$1500	2453	\$750	Petitions to revive unintentionally abandoned application	\$

**PATENT MAINTENANCE**

1551	\$900	2551	\$450	Due at 3.5 years	\$
1552	\$2300	2552	\$1150	Due at 7.5 years	\$
1553	\$3800	2553	\$1900	Due at 11.5 years	\$

Other Fee (specify) \_\_\_\_\_ \$

Other Fee (specify) \_\_\_\_\_ \$

Other Fee (specify) \_\_\_\_\_ \$

**SUBTOTAL: LEFT COLUMN** \$ 0.00**SUBTOTAL: RIGHT COLUMN** \$ 180.00**SUBMITTED BY****Complete (if applicable)**

Typed or Printed Name

Robert E. Bushnell, Esq.

Reg. Number

27,774

Signature

Date

21 March 2006

Deposit Account User ID

REB/ks

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PATENT  
P57002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Application of: TAE-SUNG KIM, *et al.*

Serial No.: 10/767,281

Examiner: WARREN, MATTHEW E.

Filed: 30 January 2004

Art Unit: 2815

For: NOVEL CONDUCTIVE ELEMENTS FOR THIN FILM TRANSISTORS USED IN  
A FLAT PANEL DISPLAY

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O.Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.56, and §§1.97 and 1.98 as amended, Applicant cites, describes, and provides copies of the following art references:

**FOREIGN PATENT REFERENCE:**

- Korean Patent Publication No. 10-2002-0055436 to Fujita, *et al.*, entitled *ACTIVE MATRIX TYPE LIQUID CRYSTAL DISPLAY DEVICE*, published on 8 July 2002 (with English abstract).

**OTHER DOCUMENTS:**

- Korean Office action for Korean Patent Application No. 10-2003-0015357, issued on 27 February 2006.

**DISCUSSION**

Fujita KR'436, according to the Korean Office action in applicant's Korean Patent Application No. 10-2003-0015357, discloses that the active matrix type liquid crystal display device includes an active matrix substrate having a transparent insulated substrate on which a thin film

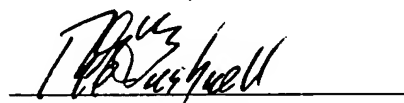
transistor and a pixel section are formed. A gate electrode of the transistor and a scanning line connected to the electrode have a TiN/Ti/Al structure or a TiN/Al/Ti structure or a TiN/Ti/Al/Ti structure. Since a Ti film exists in contact with an Al film, the generation of Al hillock at the Al film is suppressed. Having the TiN layer at a top layer, surface corrosion at a scanning line terminal section is suppressed, the increase in the connecting resistance at the section is suppressed and the reliability is increased.

Pursuant to 37 CFR §1.97(d), the undersigned attorney hereby certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application not more than three (3) months prior to the filing of the statement.

The citation of the foregoing references is not intended to constitute an assertion that other or more relevant art does not exist. Accordingly, the Examiner is requested to make a wide-ranging and thorough search of the relevant art.

Pursuant to 37 C.F.R. §1.97(c)(2), the fee set forth under 37 C.F.R. §1.17(p) of \$180.00 accompanies this Information Disclosure Statement. Should the check become lost, be deficient in payment, or should other fees be incurred, the Commissioner is authorized to charge Deposit Account No. 02-4943 of Applicant's undersigned attorney in the amount of such fees.

Respectfully submitted,



Robert E. Bushnell  
Reg. No.: 27,774  
Attorney for the Applicant

1522 "K" Street, N.W., Suite 300  
Washington, D.C. 20005  
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Folio: P57002 Date: 3/21/06 I.D.: REB/ks



**INFORMATION DISCLOSURE STATEMENT**  
**PTO-1449 (PAGE 1 OF 1)**

SERIAL NUMBER 10/767,281

DOCKET NO. P57002

APPLICANT TAE-SUNG KIM, *et al.*

FILING DATE 30 January 2004

GROUP 2815

**U.S. PATENT DOCUMENTS**

EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE

**FOREIGN PATENT DOCUMENTS**

**TRANSLATION**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	KR 10-2002-0055436	07/02	KOREA			Abstract	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

	Korean Office Action of the Korean Patent Application No. 10-2003-0015357, issued on 27 February 2006

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.